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TRANSACTIONS

OF THE

Ottawa Natural History Society.

List of Plants collected by Mr. B. Billings in the vicinity of the City of Ottawa, during the Summer of 1866.

RANUNCULACEÆ.

Hepatica triloba, Chaix	April 20.
" acutiloba, D.C.	do
Caltha palustris, L.	May 1.
Thalictrum dioicum, L.	May 16.
Ranunculus abortivus, L.	do
Coptis trifolia, Salisb.	do
Actæa spicata, L., var. alba. Michx.	do
Aquilegia Canadensis, L.	do
Anemone Pennsylvanica, L.	June 5.
Ranunculus recurvatus, Poir.	do
" acris, L.	do
Anemone Virginiana, L.	June 22.
Thalictrum Cornuti, L.	do
Ranunculus Pennsylvanicus	July 14.
" Flammula, var. reptans, L.	July 21.
Clematis Virginiana, L.	August.

MENISPERMACEÆ.

Menispermum Canadense, L.	July 1.

BERBERIDACEÆ.

Caulophyllum thalictroides, Michx.....May 1.

NYMPHÆACEÆ.

Nuphar advena, Ait.....June 15.
" Kalmiana, Pursh.....July 28.
Nymphæa odorata, Ait.....July 31.

SARRACENIACEÆ.

Sarracenia purpurea, L.....June 15.

PAPAVERACÆ.

Sanguinaria Canadensis, L.....April 25.

FUMARIACEÆ.

Dicentra Canadensis, D.C.....April 25.
" Cucullaria, D.C.....May .7
Corydalis aurea, Willd.....June 5.
Adlumia cirrhosa, Raf.....July 1.

CRUCIFERÆ.

Dentaria laciniata, Muhl.....May 1.
Capsella bursa-pastoris, Mœnch..... do
Turritis stricta, Graham.....May 16.
Cardamine hirsuta, L.....June 22.
Dentaria diphylla, L..... do
Lepidium Virginicum, L.....June 5.
Nasturtium palustre, D.C.....June 22.
Sinapis arvensis, L..... do
Sisymbrium officinale, Scop.....July 14.
Nasturtium officinale, R. Br..... August.
Erysimum chiranthoides, L..... do

VIOLACEÆ

Viola blanda, Willd.....May 1.
" cucullata, Ait.....May 16.

VIOLACEÆ.—(*Continued.*)

Viola Muhlenbergii, Torr.....May 16.
" Canadensis, L..... do
" pubescens, Ait ..... do

DROSERACEÆ.

Drosera rotundifolia, L.....July 31.

HYPERICACEÆ.

Hypericum perforatum, L.....July 14.
" ellipticum, Hook.....July 21.
" mutilum, L..... do
Elodea Virginica, Nutt.....July 31.

CARYOPHYLLACEÆ.

Cerastium viscosum, L.....May 1.
Arenaria serpyllifolia, L.....June 5.
Stellaria longifolia, Muhl..... do
Silene Antirrhina, L..... .....June 15.
" noctiflora, L.....June 22.
Mœhringia lateriflora, L..... do
Silene inflata, Smith.....July 14.
" armeria, L.....July 28.
Saponaria officinalis, L..... .....July 31.

PORTULACACEÆ.

Claytonia Caroliniana, Michx..... .....May 1.
Portulaca oleracea, L..... July 31.

MALVACEÆ.

Malva rotundifolia, L .....July 31.

TILIACEÆ.

Tilia Americana, L.....July 28.

OXALIDACEÆ.

Oxalis stricta, L ....June 15.

GERANIACEÆ.

Geranium Carolinianum, L..... ....June 5

BALSAMINACEÆ.

Impatiens fulva, Nutt ....July 28.

ANACARDIACÆ.

Rhus toxicodendron, L ....June 15.
" typhina, L..... .....July 14.

VITACEÆ.

Vitis cordifolia, Michx.....June 15.

CELASTRACEÆ.

Celastrus scandens, L..... .....June 22.

SAPINDACEÆ.

Acer rubrum, L.....April 20.
Staphylea trifolia, L.....June 5.
Acer spicatum, Lam..... ..... do

POLYGALACEÆ.

Polygala Senega, L..... .....June 5.
" paucifolia, Willd.....June 10.

LEGUMINOSÆ.

Trifolium repens, L..... .....June 5.
Medicago lupulina, L..... ..... do
Trifolium pratense, L.....June 15.
Lathyrus palustris, L..... ..... do
Vicia sativa, L..... .....July 1.
Melilotus alba, Lam.....July 28.
Astragalus Canadensis, L..... ..... do
" Cooperi, Gray..... ..... do
Desmodium Canadense, D.C..... ..... do
Apios tuberosa, Mœnch.....August.
Amphicarpæa monoica, Nutt..... ..... do

ROSACEÆ.

Rubus strigosus, Michx.....June 15.
" occidentalis, L..... do
" villosus, Ait..... do
" odoratus, L..... do
Potentilla Norvegica, L.....June 22.
Spiræa opulifolia, L.....July 1.
Geum album, Gmelin..... do
" strictum, Ait..... do
Potentilla Anserina, L..... do
Spiræa salicifolia, L.....July 15.
Fragaria Virginiana, Ehrhart.....May 1.
" vesca, L..... do
Prunus Americana, Marsh.....May 16.
Prunus Pennsylvanica, L..... do
Waldsteinia fragarioides, Tratt..... do
Rubus triflorus, Richardson..... do
Amelanchier Canadensis, Torr & Gray..... do
Prunus Virginiana, L.....May 22.
" serotina, Ehrhart..... do
Cratægus tomentosa, L.....June 5.
Rosa blanda, Ait.....June 15.
Spiræa tomentosa, L.....July 28.
Agrimonia Eupatoria, L..... do

ONAGRACEÆ.

Circæa alpina, L.....July 1.
Ænothera biennis, L.....July 14.
" pumila, L..... do
Epilobium angustifolium, L..... do
" coloratum, Muhl..... do
" palustre var. lineare, L.....July 28.
Circæa lutetiana, L..... do
Myriophyllum spicatum, L..... do

GROSSULACEÆ.

Ribes Cynosbati, L.....May 16
" lacustre, Poir..... do
" prostratum, L'Her..... do
" floridum, L.....May 22.

CRASSULACEÆ.

Penthorum sedoides, L.....July 28.

SAXIFRAGACEÆ.

Mitella diphylla, L.....May 16.
Tiarella cordifolia, L..... do
Chrysosplenium Americanum, Schwein..... do
Saxifraga Virginiensis, Michx.....May 22.
Mitella nuda, L ....June 5.

UMBELLIFERÆ.

Sanicula Marilandica, L..... .....June 15.
Osmorrhiza brevistylis, D.C..... ..... do
Pastinaca sativa, L..... .....June 22.
Cryptotænia Canadensis, D.C.....July 1.
Cicuta maculata, L.....July 28.
Sium lineare, Michx..... do

ARALIACEÆ.

Aralia trifolia..... .....May 16.
" nudicaulis, L.. .....June 15.
" racemosa, L..... ..... August.

CORNACEÆ.

Cornus Canadensis, L.....June 5.
" stolonifera, Michx ..... do
" alternifolia, L.....June 15.
" circinata, L'Her.....July 7.

CAPRIFOLIACEÆ.

Lonicera ciliata, Muhl.....May 16.
Sambucus pubens, Michx ..... do

CAPRIFOLIACEÆ.—*(Continued.)*

Viburnum lantanoides, Michx.....May 16.
Linnæa borealis, Gronov.....June 5.
Triosteum perfoliatum, L.....June 15.
Viburnum opulus, L..... do
" lentago, L..... do
Diervilla trifida, Mœnch.....June 22.
Viburnum acerifolium, L..... do
Symphoricarpus racemosus, Michx.....July 1.
Sambucus Canadensis, L.....July 14.

RUBIACEÆ.

Galium triflorum, Michx.....June 15.
" trifidum, L.....June 22.
" asprellum, Michx.....July 28.
Cephalanthus occidentalis, L.....August.

COMPOSITÆ.

Taraxacum dens-leonis, Desf.....May 1.
Antennaria plantaginifolia.....May 16.
Erigeron Philadelphicum.....June 15.
Leucanthemum vulgare, Lam..... do
Achillea millefolium, L.....June 30.
Senecio aureus, L..... do
Erigeron annuum, Pers.....July 1.
" strigosum, Muhl..... do
Maruta cotula, D.C..... do
Antennaria margaritacea, R. Br.....July 14.
Cirsium arvense, Scop..... do
Rudbeckia hirta, L.....July 21.
Eupatorium purpureum, L.....July 28.
Erigeron Canadense, L..... do
Gnaphalium uliginosum, L..... do
Cirsium lanceolatum, Scop..... do
Lactuca elongata, Muhl..... do

(COMPOSITÆ.—*Continued.*)

Eupatorium perfoliatum, L.....July 31.
Aster ptarmicoides, Torr & Gray..... do
Bidens Beckii, Pursh..... do
Lappa major, Gærnt..... do
Eupatorium ageratoides, L.....August.
Aster macrophyllus, L..... do
" cordifolius, L..... do
" miser, L..... do
" simplex, Willd ..... do
" puniceus, L..... do
Solidago squarrosa, Muhl..... do
" bicolor, L..... do
" altissima, L..... do
" Canadensis, L..... do
" gigantea, Ait..... do
" lanceolata, L..... do
Bidens frondosa, L..... do
Helenium autumnale, L..... do
Nabalus albus, Hook.....August.
" altissimus, Hook..... do

LOBELIACEÆ.

Lobelia inflata, L.....July 28.
" cardinalis, L.....July 31.
" Kalmii, L ..... do

CAMPANULACEÆ.

Campanula rotundifolia, L .....June 22.
" aparinoides, Pursh.....July 28.

ERICACEÆ.

Chiogenes hispidula, Torr & G.....May 16.
Ledum latifolium, Ait.....May 22.
Vaccinium macrocarpon, Ait .....June 15.
Pyrola rotundifolia, L.....June 22.

ERICACEÆ.—*Continued.*

Pirola secunda.....July 1.
Kalmia angustifolia, L.....July 14.

PLANTAGINACEÆ.

Plantago major, L.....July 14.

PRIMULACEÆ.

Trientalis Americana, Pursh.....May 22.
Naumburgia thyrsiflora, Reichenb..... do
Lysimachia stricta, Ait.....July 14.
" ciliata, L..... do

LENTIBULACEÆ.

Utricularia vulgaris, L.....July 21.

OROBANCHACEÆ.

Epiphegus Virginiana, Bart.....August.

SCROPHULARIACEÆ.

Veronica serpyllifolia, L.....May 16.
" peregrina, L.....June 5.
" scutellata, L.....June 22.
Verbascum thapsus, L.....July 14.
Mimulus ringens, L..... do
Ilysanthes gratioloides, Benth.....July 28.
Gratiola Virginiana, L.....July 31.
Chelone glabra, L.....August.
Pedicularis Canadensis, L.....May 22.
Pentstemon pubescens, Solander.....July.

VERBENACEÆ.

Verbena hastata, L.....July 14.
Phryma leptostachya, L.....August.

LABIATÆ.

Scutellaria parvula, Michx.....June 5
Brunella vulgaris, L.....June 22.
Leonurus cardiaca, L.....July 1.

LABIATÆ.—*Continued.*

Mentha Canadensis, L.....July 14.
Nepeta Cataria, L..... do
Stachys palustris, L..... do
Scutellaria galericulata, L.....July 21.
" lateriflora, L..... do
Lycopus Europæus, L.....July 28.
Galeopsis Tetrahit, L..... do
Calamintha clinopodium, Benth.....August.

BORRAGINACEÆ.

Cynoglossum officinale, L.....June 5.
Lithospermum officinale, L .....June 22.
Echinospermum Lappula, L..... do

CONVOLVULACEÆ.

Calystegia sepium, R. Br.....July 14.

SOLANACEÆ.

Hyoscyamus niger, L.....July 7.
Solanum nigrum, L.....July 21.
Datura stramonium, L.....July 28.

GENTIANACEÆ.

Menyanthes trifoliata, L.....May 22.
Gentiana Andrewsii, Griseb.....Sept.

APOCYNACEÆ.

Apocynum androsæmifolium, L.....June 22.
" cannabinum, L.....July 7.

ASCLEPIADACEÆ.

Asclepias Cornuti, Decaisne.....July 14.
" incarnata, L..... do

OLEACEÆ.

Fraxinus Americana, L.....May 22.
" sambucifolia, Lam..... do
" pubescens, Lam..... do

ARISTOLOCHIACEÆ.

Asarum Canadense, L.....May 22.

CHENOPODIACEÆ.

Blitum capitatum, L.....June 22.
Chenopodium album, L.....July 14.
" hybridum, L ..... do.

AMARANTACEÆ.

Amarantus retroflexus, L.....July 21.

POLYGONACEÆ.

Rumex verticillatus, L.....June 22 to 30.
" crispus, L..... do
Polygonum aviculare, L..... .....July 7.
" persicaria, L.....July 14.
" nodosum var. incarnatum, Pers.....July 28.
" Pennsylvanicum, L ..... do
" amphibium, L .... August.
" hydropiper, L..... do
" acre, H. B. K..... ..... do
" arifolium, L..... do
" sagittatum, L ..... do
" cilinode, Michx..... do

THYMELEACEÆ.

Dirca palustris, L..... .....April 26.

ELÆAGNACEÆ.

Shepherdia Canadensis, Nutt.....April 26.

SANTALACEÆ.

Comandra umbellata, Nutt.....June 5.

EUPHORBIACEÆ.

Euphorbia Helioscopia, L.....July 21.
" maculata, L.....July 31.
Acalypha Virginica, L..... do

URTICACEÆ.

Ulmus Americana, L.....April 26.
" fulva, Michx.....April 26.
" racemosa, Thomas.....April 26.
Laportea Canadensis, Gaudich.....July 21.
Urtica gracilis, Ait.....July 28.
Cannabis sativa, L..... do
Pilea pumila, Gray.....July 31.
Bœhmeria cylindrica, Willd..... do

JUGLANDACEÆ.

Juglans cinerea, L.....May 22.

CUPULIFERÆ.

Corylus rostrata, Ait.....April 20.
Quercus macrocarpa, Michx.....May 16.
" rubra, L..... do
Carpinus Americana, Michx..... do
Ostrya Virginica, Willd..... do

BETULACEÆ.

Alnus incana, Willd.....April 20.
Betula papyracea, Ait.....May 1.
" excelsa, Ait.....May 22.

SALICACEÆ.

Salix discolor, Muhl.....April 20.
Populus tremuloides, Michx.....April 20.
" grandidentata, Michx..... do
" balsamifera, L..... do
Salix cordata, Muhl.....May 16.
" rostrata, Rich.....June 22.
" lucida, Muhl..... do

CONIFERÆ.

Taxus baccata, L, var. Canadensis.....April 20.
Thuja occidentalis, L.....May 16.
Juniperus communis, L..... do

ARACEÆ.

Arisæma triphyllum, Torr.....May 22.
Acorus calamus, L.....June 15.
Calla palustris.....June 22.

TYPHACEÆ.

Typha latifolia, L.....July 21.

NAIADACEÆ.

Potamogeton pectinatus, L.....July 21.
" hybridus, Michx..... do
" perfoliatus, L..... do
" compressus, L.....July 31.

ALISMACEÆ.

Sagittaria variabilis, Engelm.....July 14.
Alisma plantago, L., var Americanum.....July 28.

ORCHIDACEÆ.

Orchis spectabilis, L.....June 5.
Cypripedium pubescens, Willd.....June 15.
Platanthera hyperborea, Lindley.....June 22.
" dilatata, do ..... do
Cypripedium spectabile, Swartz..... do
Plathanthera psycodes, Gray.....July 14.
Calopogon pulchellus, R. Br..... do

IRIDACEÆ.

Iris versicolor, L.....June 15.
Sisyrinchium Bermudiana, L.....June 22.

SMILACEÆ.

Trillium erectum, L.....May 1.
" grandiflorum, Salisb.....May 1[illegible]
" erythrocarpum, Michx.....May 16.
Medeola Virginica, L.....June 15.
Smilax herbacea, L.....June 22.

LILIACEÆ.

Erythronium Americanum, Smith.....May 5.
Polygonatum biflorum, Ell.....May 22.
Smilacina bifolia, Ker..... do
" stellata, Desf..... do
" racemosa, Desf.....June 5.
Clintonia borealis, Raf..... do
Smilacina trifolia, Desf.....June 15.
Lilium Philadelphicum, L.....July 14.

MELANTHACEÆ.

Uvularia grandiflora, Smith.....May 16.
" sessilifolia, L..... do
Streptopus roseus, Michx..... do

JUNCACEÆ.

Juncus effusus, L.....June 15.
" tenuis, Willd.....June 22.
" nodosus, L.....July 14.
" filiformis, L..... do
" bufonius, L..... do

PONTEDERIACEÆ.

Pontederia cordata, L.....July 31.

CYPERACEÆ.

Cyperus inflexus, Muhl.....July 31.
Dulichium spathaceum, Pers.....July 28.
Eleocharis palustris, R. Brown.....June 22.
" acicularis, R. Br..... do
Scirpus lacustris, R. Br.....July 7.
" sylvaticus, L.....July 21.
Eriophorum gracile, Koch.....June 22.
" polystachyon, L.....June 15.
" Virginicum, L.....July 28.
Carex pedunculata, Muhl.....April 20.
" plantaginea, Lam..... do

CYPERACEÆ.—(*Continued.*)

Carex eburnea, Boott.....April 20.
" Novæ-Angliæ, Schw.....May 16.
" polytrichoides, Muhl.....June 5.
" stipata, Muhl ..... do
" tenella, Schk..... do
" stellulata, Good..... do
" canescens, L..... do
" stricta, Lam..... do
" aurea, Nutt..... do
" teretiuscula, Good.....June 15.
" scoparia, Schk ..... do
" lagopodioides, Schk..... do
" laxiflora, Lam..... do
" arctata, Boott..... do
" gracillima, Schw..... do
" Pseudo-Cyperus, L ..... do
" intumescens, Rudge..... do
" festucacea, Schk .....June 22.
" crinita, Lam..... do
" retrorsa, Schw..... do
" squarrosa, L..... do
" cylindrica, Schw..... do
" hystricina, Willd.....July 7.
" vulpinoidea, Michx.....July 14.
" lupulina, Muhl..... do
" monile, Tuckerman..... do
" sychnocephala, Carey.....July 28.

GRAMINEÆ.

Poa annua, L .....May 1.
" pratensis, L.....June 5.
" compressa, L.....July 7.
" serotina, Ehrhart.....July 14.

GRAMINEÆ.—(*Continued.*)

Oryzopsis asperifolia, Michx.....May 16.
Alopecurus aristulatus, Michx.....June 15.
Glyceria nervata, Trin.....June 22.
" fluitans, R. Br.....do
" aquatica, Smith.....July 7.
" Canadensis, Trin.....July 21.
Agrostis alba, L.....July 7.
" scabra, Willd.....July 31.
Phleum pratense, L.....July 14.
Phalaris arundinacea, L.....do
" Canariensis, L.....July 21.
Panicum dichotomum, L.....do
" crus-galli, L.....do
Brachyelytrum aristatum, Beauv.....July 28.
Bromus secalinus, L.....do
Setaria glauca, Beauv.....do
Spartina cynosuroides, Willd.....July 31.
Sporobolus heterolepis, Gray.....do

NOTE.—The following plants, not included in the foregoing list, were collected in the summer of 1867 in the same locality:

CRUCIFERÆ.

Cardamine pratensis, L.....May.

COMPOSITÆ.

Bidens cernua, L.....August.

ERICACEÆ.

Kalmia glauca, Ait.....June.
Moneses uniflora, Salisb.....August.
Chimaphila umbellata, Nutt.....July.

AQUIFOLIACEÆ.

Ilex verticillata, Gray.....June.

ORCHIDACEÆ.

Platanthera Hookeri, Lindl.....do